

Appl. No. 10/648,544
Amdt. Dated: March 2, 2005
Reply to Office Action of December 17, 2004

REMARKS

Claims 1-17 are pending in the Application, and claims 13-17 are withdrawn from consideration. Reconsideration and allowance of the claims are respectfully requested in view of the following remarks.

Claim Rejections Under 35 U.S.C. §102

Claims 1-12 stand rejected under 35 U.S.C. §102(e) as being anticipated by Holmberg, US 6,613,650 (hereinafter "Holmberg") for the reasons stated on pages 2-3 of the Office Action. Applicants respectfully traverse the rejection.

"A claim is anticipated only if each and every element as set forth in the claim is found, either expressly or inherently described, in a single prior art reference."

Verdegaal Bros. V. Union Oil Co. of California, 814 F.2d 628, 631, 2 USPQ2d 1051, 1053 (Fed. Cir. 1987). However, Holmberg does not disclose or teach each and every element as set forth in claim 1, as followings.

Claim 1 recites a thin film transistor array panel comprising a plurality of gate lines formed on an insulating substrate; a gate insulating layer formed on the gate lines; a semiconductor layer formed on the gate insulating layer; a plurality of data lines formed at least in part on the semiconductor layer; a plurality of drain electrodes formed at least in part on the semiconductor layer; a plurality of pixel electrodes connected to the drain electrodes; and a plurality of conductive lines, each conductive line connected to one of the gate lines and the data lines and including first and second portions having different resistances. In claim 1, the conductive lines, being connected to one of the gate and data lines, each include first and second portions having different resistances.

In contrary, Col. 7, lines 1-9 of Holmberg disclose that the shorting bars (12, 22; 14, 24; 16, 26; and 18, 28) have a resistance on the order of 15 to 20 ohms, and the bars are connected in series by a plurality of resistors (104, 106, 108 and 110) being a resistance on the order of 100 times the resistance of the bars. Therefore, the resistors (104, 106, 108 and 110) are not the parts of the shorting bars (12, 22; 14, 24; 16, 26; and 18, 28), and the bars do not have two portions, which are resistively different from each other, although the bars are resistively conducted. Thus, Holmberg neither discloses nor teaches the feature "a plurality of conductive lines, each conductive line connected to one

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of the gate lines and the data lines and including first and second portions having different resistances", as recited in claim 1. Accordingly, Holmberg neither anticipates nor render claim 1 obvious.

Further, Col. 7, lines 26-38 of Holmberg simply disclose that the bars (12, 22; 14, 24; 16, 26; and 18, 28) and the resistors (104, 106, 108 and 110) are formed with the gate lines (34) of the two metal layers (54 and 56), but are silent in the first portion of the conductive line having no upper film. Thus, in addition to the feature "a plurality of conductive lines, each conductive line connected to one of the gate lines and the data lines and including first and second portions having different resistances", as recited in claim 1, Holmberg neither discloses nor teaches the feature "each conductive line includes a lower film and an upper film having resistivity lower than the lower film and the first portion of each conductive line does not include the upper film", as recited in claim 2. Claims 2-12 are depend from claim 1, thus are believed to be allowable due to their dependency on claim 1.

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Conclusion

In view of the foregoing, it is respectfully submitted that the instant application is in condition for allowance. Accordingly, it is respectfully requested that this application be allowed and a Notice of Allowance issued. If the Examiner believes that a telephone conference with Applicants' attorneys would be advantageous to the disposition of this case, the Examiner is cordially requested to telephone the undersigned.

In the event the Commissioner of Patents and Trademarks deems additional fees to be due in connection with this application, Applicants' attorney hereby authorizes that such fee be charged to Deposit Account No. 06-1130.

Respectfully submitted,

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